



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/518,650	03/03/2000	Dale C McCarthy	CTI-103	5794

7590 11/14/2003

PIPER RUDNICK  
P.O. BOX 64807  
CHICAGO, IL 60440-0807

EXAMINER

LEON, EDWIN A

ART UNIT	PAPER NUMBER
----------	--------------

2833

DATE MAILED: 11/14/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/518,650

Applicant(s)

MCCARTHY, DALE C

Examiner

Edwin A. León

Art Unit

2833

MW

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 11 August 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 4-11, 14, 19, 20, 22, 24-25, 28-33, 35, and 37-43 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 4-11, 14, 24, 28-33 and 38-43 is/are allowed.
- 6) ☒ Claim(s) 19, 20, 22, 35, 37 and 44 is/are rejected.
- 7) ☒ Claim(s) 25 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### *Response to Amendment*

1. Applicant's amendment filed August 7, 2003 in which Claims 43-44 have been amended and Claims 33-34 have been cancelled, has been placed of record in the file as Paper No. 23.

### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 19-20, 22, 35, 37, and 44 are rejected under 35 U.S.C. 102(b) as being anticipated by Gutter et al. (U.S. Patent No. 4,739,126). With regard to Claims 35, 37 and 44, Gutter et al. discloses an electrical connector (10), comprising: a housing (12) having an open end; at least one clamping arm (means for penetrating) (14) disposed in the housing (12) so as to surround an insulated electrical conductor (20), means (21b) for inserting an insulated electrical conductor (20) into the open end of the housing (12) such that the at least one clamping arm (means for penetrating) (14) and means (cylindrical compression cap) (16,18) for engaging or urging the clamping arms

Art Unit: 2833

(means for penetration 16) having an end wall apertured to receive an electrical coaxial cable (20) and having a sidewall with an outer periphery sized for engaging an inner periphery of the housing (12), wherein once the first end of the at least one clamping arm (means for penetrating) (14) penetrates an outer insulation layer (74) of the electrical cable (20) and the end of the electrical cable (20) being inserted into the first end of the housing (12), the cap (16,18) can be inserted into the first end of the housing (12) such that the at least one clamping arm (means for penetrating) (14) is secured in place, and the means (cylindrical compression cap) (16,18) for engaging or urging the clamping arms (means for penetration 16) having a sidewall sized at its outer periphery for engaging the inner periphery of the housing (12), the pointed end (tip of 43) of the conductive clamp (14) being ramp shaped and the end of the side wall of the means (cylindrical compression cap) (16,18) for engaging or urging the clamping arms (means for penetration 16) being complimentarily ramp (57) shaped so that upon mutual engagement longitudinally along the axis of the housing (12), the pointed end of the conductive clamp (14) being driven radially toward the axis of the housing (12). See Figs. 1-3.

With regard to Claim 20, Gutter et al. discloses the first end of the at least one clamping arm (means for penetrating) (14) having a beveled edge (43), wherein as the cap (16,18) is inserted into the first end of the housing (12) a beveled edge (43) of the cap (16,18) pushes the beveled edge (43) of the at least one clamping arm (means for penetrating) (14) such as to cause the first end of the at least one clamping arm

Art Unit: 2833

(means for penetrating) (14) to penetrate into the outer insulation layer (74) of the insulated conductor (26). See Figs. 1-3.

With regard to Claim 19, Gutter et al. discloses the at least one clamping arm (means for penetrating) (14) being integral with the housing (12). See Figs. 1-3.

With regard to Claim 22, Gutter et al. discloses the cap (16,18) threadably engaging the housing (12). See Figs. 1-3.

### ***Allowable Subject Matter***

4. Claims 4-11, 14, 24, 28-33, and 38-43 are allowed for the reasons stated on the Office Action of December 31, 2002.

5. Claim 25 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The references fail to teach, disclose, or suggest, either alone or in combination, the insulated electrical conductor having a portion of the inner insulation layer and center conductor protruding from an otherwise flush end of the insulated electrical conductor, wherein the portion of the center conductor protrudes from the protruding portion of the inner insulation layer such that the protruding portion of the inner insulation layer acts to electrically insulate the center conductor from the housing and the protruding center conductor protrudes into a second end of the connector and in combination with the rest of the limitations in the base claim.

***Response to Arguments***

6. Applicant's arguments filed August 7, 2003 have been fully considered but they are not persuasive. In response to Applicant's arguments regarding Claims 37 and 20 that the Gutter reference doesn't show the pointed end of the conductive clamp being ramp shaped or having beveled edge and the end of the side wall of the means for engaging or urging the clamping arms being complementarily ramp shaped, Applicant's attention is directed to Fig. 3 in which the Gutter et al. reference clearly discloses the pointed end (tip of 43) of the conductive clamp (14) being ramp shaped or having beveled edge (43) and the end of the side wall of the means (cylindrical compression cap) (16,18) for engaging or urging the clamping arms (means for penetration 16) being complementarily ramp (57) shaped. Applicant is reminded that the pointed end (tip of 43) of the conductive clamp (14) and the end of the side wall of the means (cylindrical compression cap) (16,18) for engaging or urging the clamping arms (means for penetration 16) can be considered to be ramp shaped or having beveled edge since these features are inclined or sloped and would read on the claims limitations in their broadest interpretation.

In response to Applicant's arguments regarding Claim 44 that the Gutter reference doesn't show the at least one clamping arm disposed in the housing so as to surround an insulated electrical conductor as it is inserted in the housing, Applicant's attention is directed to Fig. 1 in which the Gutter reference clearly discloses the at least

Art. Unit: 2833

one clamping arm (means for penetrating) (14) disposed in the housing (12) so as to surround an insulated electrical conductor (20) as it is inserted in the housing (12).

Applicant is also reminded that even though Gutter describes a specific order for the assembly, the claim only calls for the clamping arm to be surrounding an insulated electrical conductor (20) as it is inserted in the housing (12), which is clearly met by the Gutter et al. reference.

### ***Conclusion***

7. **THIS ACTION IS MADE FINAL** necessitated by amendment. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edwin A. León whose telephone number is (703) 308-6253. The examiner can normally be reached on Monday - Friday 10:00-6:30.

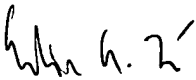
Art. Unit: 2833

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula A. Bradley can be reached on (703) 308-2319. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.



Gary Paumen  
Primary Examiner



Edwin A. Leon  
AU 2833

EAL  
November 5, 2003